



M1A1 Firepower Enhancement Program: Extended Range Performance & Detection of Camouflaged & Hidden Targets



OBJECTIVE:

- Significantly increase the range performance of the M1A1 Firepower Enhancement Program (FEP) FLIR
 - Achieve a 25% improvement in range performance
- Improve the ability of the tank crew to locate hard to find targets and/or distinguish a target from a decoy.

PAYOFF

- Extends the range for the tank crew to identify targets for indirect fire and/or air strikes
- Improved range performance and location of difficult targets increases the crews survivability (see first / kill first)
- More effective use of ammo (non engagement of decoys)

TECHNICAL APPROACH:

- Improve the FLIR performance by using a optical interlacer (480x4 to 960x4)
- Video frame processing to look for certain indicators which will enable the system to provide an indication to the observer that a target as been located.

PERFORMERS: Raytheon/DRS

27 May 03

SCHEDULE:

TASKS	FY04	FY05	FY06	FY07
INVESTIGATION	△△			
EXPERIMENTATION	△△	△		
GOVT TESTING/DEMO		△△		
TRANSITION(S) TO PM		△		

TRANSITION: MARCORSYSCOM, PM Tanks